

# The Many Faces of Multiplication

## Standard Algorithm:

The standard or typical method of multiplying larger numbers.

$$\begin{array}{r} 48 \\ \times 35 \\ \hline 240 \\ + 1440 \\ \hline 1680 \end{array}$$

## Partial Products Method:

Multiplying the individual value of each digit, giving you partial products, which are added together to get the total product.

$$\begin{array}{r} 48 \\ \times 35 \\ \hline 40 \\ 200 \\ 240 \\ + 1,200 \\ \hline 1,680 \end{array}$$

## Area Model:

Shows the area as one factor (width) times the other factor (length).

The area model allows for numbers to be decomposed into more manageable components.

